

**PARTS LIST**  
**LISTE PIECES DETACHEES**  
**ERSATZTEILLISTE**  
**LISTA PARTI DI RICAMBIO**  
**LISTA DE PIEZAS DE REPUESTO**

**THOMSON**  
**26LB040S5/U**  
**Chassis EFC031E**



**LG LC260WX2-SL1** ▶ **Version 1 : 26LB040S51**  
**QDI QD26HL02** ▶ **Version 2 : 26LB040S52**

## 26LB040S5 Version 1

### MODULES

<b>INV</b>	<b>INVERTER SLAVE R=Y</b>	<b>36211310</b>
<b>INV</b>	<b>INVERTER MASTER R=Y</b>	<b>36211300</b>
<b>AV</b>	<b>AV EFC031E 01</b>	<b>2143066A</b>
<b>FAV</b>	<b>FAV EFC031E 01</b>	<b>21435840</b>
<b>IF</b>	<b>RF EFC031E 01</b>	<b>21435830</b>
<b>KB</b>	<b>KB/IR EFC031E 01</b>	<b>21459420</b>
<b>POWE</b>	<b>SMPS (POWER MAIN) R=Y</b>	<b>56033370</b>
<b>PWSB</b>	<b>SMPS (STANDBY)</b>	<b>21430650</b>
<b>SCAL</b>	<b>SCALER</b>	<b>21435350</b>



<b>FZP001</b>	TE5-T NO396 1600MA 125V △ 56073850 R=Y	
<b>IA001</b>	MSP4610K-QA-100 FLAT	21435060
<b>IA300</b>	TS482D FLAT	10750860
<b>IA301</b>	ESDA14V2L R=Y	10765650
<b>IA500</b>	TEA6422D FLAT	10683950
<b>ID100,101</b>	MT46V16M16P-6T FLAT R=Y	56047800
<b>IH100,IP101</b>	LD1117S50C FLAT R=Y	21431700
<b>IK001</b>	TFMS5330B R=Y	20627780
<b>IP100,103,104, 107</b>	LD1117S33TR FLAT R=Y	21408040
<b>IP101</b>	LD1117DT33	25516290
<b>IP102</b>	LD1117S18TR FLAT R=Y	10838530
<b>IP103</b>	LD1117DT FLAT	15964630
<b>IP104</b>	KF80BDT	25486130
<b>IP105</b>	LD1086D2T18 FLAT R=Y	15704470
<b>IP106</b>	LD1117S25TR FLAT R=Y	10796380
<b>IP106</b>	LF50CDT FLAT	10750340
<b>IP108</b>	L4973D5.1 FLAT R=Y	21423050
<b>IP610</b>	STR-A6159 R=Y	21429400
<b>IP620</b>	TL431	15069010
<b>IP630</b>	TCET1103G R=Y △	10547560
<b>IR100</b>	PW118B-10 FLAT	21430020



<b>IR103</b>	PST421A290N FLAT R=Y	21336420
<b>IR104</b>	DS90C385A FLAT	21398580
<b>IR105</b>	M24C64-WMN6T FLAT R=Y	15464120
<b>IR200</b>	74LVX574 FLAT R=Y	56002110
<b>IS200</b>	STA515W FLAT R=Y	21428980
<b>IT500</b>	FSAV330QSC FLAT R=Y	21341360
<b>IV200</b>	MST9883C FLAT	21430010
<b>IV300</b>	M24C02WMN6 FLAT	35096320
<b>IV301</b>	ESD PACVGA105Q FLAT	21394350
<b>IV302</b>	RS232 FLAT R=Y	21380590
<b>IV700</b>	SAA7117A FLAT R=Y	21427270
<b>IX802</b>	STV6415DD FLAT R=Y	56094390
<b>IX803,805</b>	MM1511XNRE FLAT R=Y	55489750
<b>IX804,806</b>	MM1507XNRE FLAT	21149670
<b>IR102</b>	STT4PF20V SMD R=Y △	21393360
<b>TA001,002, TH001,100, TK001</b>	BC846B SMD R=Y	16006260
<b>TA003</b>	RN2402 SMD	20205800
<b>TK002,TR100, 101,TS203,205</b>	RN1402 (TE85L/R) SMD	10966200
<b>TP601</b>	BC848B SMD	16006290
<b>TS202</b>	BC856B SMD R=Y	16006310
<b>DA301,DP601, DS201,203,204, 207,216,218</b>	LL4148 SMD	16012450
<b>DE101</b>	NSAD500H R=Y	16100970
<b>DH100</b>	BA592 SMD	20002190
<b>DH101</b>	BZX55B33	80442730
<b>DP101,105,106, 112,113,114</b>	FM220-M SMD R=Y	56008310
<b>DP102,103,107</b>	FM201 SMD R=Y	56008320



<b>DP108,616</b>	SB560	20956430
<b>DP611,612,613, 614</b>	FS1MI 1KV 1A R=Y	56033250
<b>DP615</b>	FUF4005/MUR160 R=Y	16009580
<b>DP617</b>	RGP15G	10272800
<b>DV200,201,202, DX100,101,102, 103,104,105, 201,202,206</b>	MMSZ6V8T1 SMD R=Y	15580490
<b>DV280,281,282</b>	ZMM6,8 SMD	70439940
<b>DV300</b>	BAV70 SMD	25469490
<b>DV308,309,310, 311</b>	BAV99 SMD	16012300
<b>DX106,200</b>	MMSZ15T1 SMD R=Y	15580570
<b>GE001</b>	1259-7VRVGW LED R=Y	21393660



<b>QA001</b>	18M432HZ R=Y	10334670
<b>QR100</b>	14M31818HZ SMD R=Y	25730230
<b>QV700</b>	32M11KHZ SMD	21312930



<b>CP602</b>	220N0F 20% 275V △	21287960
<b>CP610</b>	330P0F 20% 1KV	14035270
<b>CP611</b>	22U0F 20% 400V R=Y	56059780
<b>CP612,617</b>	1N0F 20% 1KV	20388780



<b>LP600</b>	60MH △	21315930
<b>LP610</b>	TFSMT1W R=Y △	2142952A

Lead Free  
 Sans Plomb  
**R=Y**  
 ohne blei  
 senza cavo  
 sin plomo

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**VERSION 1 08 / 2005 35990020**  
**VERSION 2 02 / 2006**

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**OTHER PARTS  
AUTRES PIECES  
SONSTIGE TEILE  
ALTRE PARTI  
OTRAS PIEZAS**

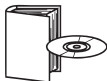
<b>BA600</b>	HEADPHONE SOCKET R=Y PRISE CASQUE R=Y KOPFHOERERBUCHSE R=Y PRESA JACK R=Y TOMA JACK R=Y	△ 56021170
<b>BA700</b>	CINCH SOCKET 2 ASSY R=Y ENSEMBLE 2 PRISES CINCH R=Y CHINCH 2 BUCHSEN-EINHEIT R=Y ASSIEME 2 PRESA CINCH R=Y CONJUNTO 2 TOMA CINCH R=Y	56009180
<b>BK102</b>	CABLE 5X 94MM BLUE A8 CABLE NAPPE 5X 94MM BLUE A8 FOLIENKABEL 5X 94MM BLUE A8 CAVO DI COLLEGAMENTO 5X 94MM BLUE A8 CABLE 5X 94MM BLUE A8	56084950
<b>BQ001</b>	JACK SOCKET R=Y PRISE JACK R=Y JACK-BUCHSE R=Y PRESA JACK R=Y TOMA JACK R=Y	△ 21428320
<b>BV280</b>	CINCH SOCKET 3 ASSY R=Y ENSEMBLE 3 PRISES CINCH R=Y CHINCH 3 BUCHSEN-EINHEIT R=Y ASSIEME 3 PRESA CINCH R=Y CONJUNTO 3 TOMA CINCH R=Y	56009170
<b>BV300</b>	CINCH SOCKET 3 ASSY R=Y ENSEMBLE 3 PRISES CINCH R=Y CHINCH 3 BUCHSEN-EINHEIT R=Y ASSIEME 3 PRESA CINCH R=Y CONJUNTO 3 TOMA CINCH R=Y	56009160
<b>BV300</b>	VGA SOCKET PRISE VGA VGA-BUCHSE PRESA VGA TOMA VGA	15216260
<b>BV400</b>	SVHS SOCKET R=Y PRISE SVHS R=Y S-VHS-BUCHSE R=Y PRESA SVHS R=Y TOMA SVHS R=Y	20392900
<b>BX101,200</b>	SCART SOCKET R=Y PRISE PERITEL R=Y EURO-AV-BUCHSE R=Y EUROPRESA NORMALIZZATA R=Y EUROCONNECTOR R=Y	△ 21428350
<b>FP610</b>	500MA 250V FUSE R=Y 500MA 250V FUSIBLE R=Y 500MA 250V SICHERUNG R=Y 500MA 250V FUSIBILE R=Y 500MA 250V FUSIBLE R=Y	△ 48029700
<b>FP610</b>	FUSE HOLDER R=Y SUPPORT FUSIBLE R=Y SICH-HALTER R=Y PORTA FUSIBILE R=Y PORTA FUSIBLE R=Y	10260630
<b>LJ054</b>	CABLE 15X 120MM B8 CABLE NAPPE 15X 120MM B8 FOLIENKABEL 15X 120MM B8 CAVO DI COLLEGAMENTO 15X 120MM B8 CABLE 15X 120MM B8	56056130
<b>LJ055</b>	CABLE 6X 600MM B8 CABLE NAPPE 6X 600MM B8 FOLIENKABEL 6X 600MM B8 CAVO DI COLLEGAMENTO 6X 600MM B8 CABLE 6X 600MM B8	△ 56002440

<b>LJ700</b>	CABLE WITH CONNECTOR 30 PINS 400MM CABLE AVEC CONNECTEUR 30 PINS 400MM KABEL MIT VERBINDER 30 PINS 400MM CAVO CON CONNETTORE 30 PINS 400MM CABLE CON CONECTOR 30 PINS 400MM	△ 5600228A
<b>LJ705</b>	CABLE LG WITH CONNECTOR INVERTER CABLE LG INVERTER AVEC CONNECTEUR KABEL LG MIT VERBINDER INVERTER CAVO LG INVERTER CON CONNETTORE CABLE PG INVERTER CON CONECTOR	56039550
<b>NH001</b>	FE6232A TUNER FE6232A TETE FE6232A TUNER FE6232A TUNER FE6232A SINTONIZADOR	21452380
<b>SK001,002, 003,004,005, 006</b>	MICROSWITCH MICRO CONTACTEUR MIKROSCHALTER MICROINTERRUPTORE MICROCONTACTOR	30011100
<b>SP600</b>	RELAY 6.0V 68.0OHM 10.0A 250.0V R=Y RELAIS 6.0V 68.0OHM 10.0A 250.0V R=Y RELAIS 6.0V 68.0OHM 10.0A 250.0V R=Y RELE 6.0V 68.0OHM 10.0A 250.0V R=Y RELE 6.0V 68.0OHM 10.0A 250.0V R=Y	△ 10517140

**EQUIPMENT/PRESENTATION  
EQUIPEMENT/PRESENTATION  
AUSSTATTUNG/GEHAEUSE  
PARTI VARIE  
EQUIPO/PRESENTACION**

KIT ADAPT FOR WALLMOUNT VESA ADA587	36036600
KIT ADAPTATEUR ACCROCHE MUR VESA ADA587	
KIT ADAPTER WANDHALTERUNG VESA ADA587	
KIT ADATTATORE SUPPORT MUR VESA ADA587	
KIT ADAPTADOR SOPORTE MURAL VESA ADA587	
CONNECTION FLAP VOLET PRISES CONNECTION-KLAPPE SPORTELLLO PRESA PUERTA CONECTOR	35930390
FRONT CABINET ASSY BK25RC FACADE EQUIPEE BK25RC FRONTPLATTE KPL BK25RC MOBILE FRONTALE CPL BK25RC MUEBLE FRONTAL CPL BK25RC	35930210
LID OF FOOT SI01TH COUVERCLE DU PIED SI01TH KAPPE DES FUSSES SI01TH COPERCIO DEL PIEDE SI01TH TAPA DEL PIE SI01TH	35930280
REAR PANEL AL01TH DOS AL01TH RUECKWAND AL01TH PANNELLO POSTERIORE AL01TH TAPA POSTERIOR AL01TH	△ 35930330

CONTROL PANEL SI01TH TABLEAU DE COMMANDES SI01TH BEDIENTEIL SI01TH QUADRO DI COMANDO SI01TH TABLERO DE MANDO SI01TH	25826230
SUPPORT SOCKET AL01TH SUPPORT PRISES AL01TH HOLDER BUCHSE AL01TH SUPPORTO PRESA AL01TH SOPORTE TOMA AL01TH	35930470
DISPLAY LCD 26P LC260WX2-SL01 LG/Ph ECRAN LCD 26P LC260WX2-SL01 LCD-ANZEIGE 26P LC260WX2-SL01 VISUALIZZATORE LCD 26P LC260WX2-SL01 VISUALIZADOR LCD 26P LC260WX2-SL01	56008350
8R OHM 5W LOUDSPEAKER 52X120MM 8R OHM 5W HAUT PARLEUR 52X120MM 8R OHM 5W LAUTSPRECHER 52X120MM 8R OHM 5W ALTOPARLANTE 52X120MM 8R OHM 5W ALTAVOZ 52X120MM	25820040
BUTTON STRIP SI01TH BARRETTE DE TOUCHES SI01TH TASTENLEISTE SI01TH ASSIEME TASTI SI01TH CONJUNTO DE TECLAS SI01TH	△ 35930500
MAINS SOCKET ASSY PRISE SECTEUR EQ NETZANSCHLUSSBUCHSE KPL PRESA RETE CPL TOMA RED CPL	△ 5602561A
RC311TA1G REMOTE CONTROL R=Y RC311TA1G TELECOMMANDE R=Y RC311TA1G FERNBEDIENUNG R=Y RC311TA1G TELECOMANDO R=Y RC311TA1G TELEMANDO R=Y	21282880
POWER SUPPLY LEAD CORDON D'ALIMENTATION NETZKABEL CAVO DI ALIMENTAZIONE CABLE DE ALIMENTACION	△ 2137191B
POWER SUPPLY LEAD UK CORDON D'ALIMENTATION UK NETZKABEL UK CAVO DI ALIMENTAZIONE UK CABLE DE ALIMENTACION UK	△ 25740070
FOLDING BOX EMBALLAGE CARTON KARTON IMBALLAGGIO CARTONE EMBALAJE CARTON	25826310
FITTING DOWNER LEFT CALE INFERIEURE GAUCHE POLSTER UNTEN LINKS Distanziatore inferiore sinistra CALZO INFERIOR IZQUIERDA	25826340
FITTING DOWNER RIGHT CALE INFERIEURE DROITE POLSTER UNTEN RECHTS Distanziatore inferiore destra CALZO INFERIOR DERECHA	25826350
FITTING UPPER RIGHT CALE SUPERIEURE DROITE POLSTER OBEN RECHTS Distanziatore superiore destra CALZO SUPERIOR DERECHA	25826330
FITTING UPPER LEFT CALE SUPERIEURE GAUCHE POLSTER OBEN LINKS Distanziatore superiore sinistra CALZO SUPERIOR IZQUIERDA	25826320



26LB040S5 PARTS LIST	35990020
26LB040S5 LISTE DE PIECES DETACHEES	
26LB040S5 ERSATZTEILLISTE	
26LB040S5 LISTA PARTI DI RICAMBIO	
26LB040S5 LISTA DE PIEZAS DE REPUESTO	
26LB040S5/32LB040S5 UM TH	50107030
26LB040S5/32LB040S5 NU TH	
26LB040S5/32LB040S5 BA TH	
26LB040S5/32LB040S5 IU TH	
26LB040S5/32LB040S5 IU TH	

## 26LB040S5/U

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**PARTS LIST**  
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**LISTA DE PIEZAS DE REPUESTO**

**THOMSON**  
**26LB040S5/U**  
**Chassis EFC031E**



**LG LC260WX2-SL1** ▶ **Version 1 : 26LB040S51**  
**QDI QD26HL02** ▶ **Version 2 : 26LB040S52**

## 26LB040S5 Version 2

### MODULES

<b>AV</b>	<b>AV EFC031E</b>	<b>2143066C</b>
<b>FAV</b>	<b>FAV EFC031E 01</b>	<b>21435840</b>
<b>IF</b>	<b>RF EFC031E 01</b>	<b>21435830</b>
<b>KB</b>	<b>KB/R EFC031E 01</b>	<b>21459420</b>
<b>POWE</b>	<b>SMPS (POWER MAIN) R=Y</b>	<b>56033370</b>
<b>PWSB</b>	<b>SMPS (STANDBY)</b>	<b>21430650</b>
<b>SCAL</b>	<b>SCALER</b>	<b>2149011A</b>



<b>FP101</b>	TE5-T NO 19396 315MA 125V	21270430
<b>FZP001</b>	TE5-T NO396 1600MA 125V △	56073850 R=Y
<b>IA001</b>	MSP4610K-QA-100 FLAT	21435060
<b>IA300</b>	TS482D FLAT R=Y	10938190
<b>IA301</b>	ESDA14V2L R=Y	10938390
<b>IA500</b>	TEA6422D FLAT R=Y	10938180
<b>ID100,101</b>	MT46V16M16P-6T FLAT R=Y	56047800
<b>IH100,IP101</b>	LD1117S50C FLAT R=Y	21431700
<b>IK001</b>	TFMS5330B R=Y	20627780
<b>IP100,103,104,107</b>	LD1117S33TR FLAT R=Y	21408040
<b>IP101</b>	LD1117DT33 R=Y	10938450
<b>IP102</b>	LD1117S18TR FLAT R=Y	10838530
<b>IP103</b>	LD1117DT FLAT	15964630
<b>IP104</b>	KF80BDT R=Y	10938410
<b>IP105</b>	LD1086D2T18 FLAT R=Y	15704470
<b>IP106</b>	LD1117S25TR FLAT R=Y	10796380
<b>IP106</b>	LF50CDT FLAT R=Y	10938460
<b>IP108</b>	L4973D5.1 FLAT R=Y	21423050
<b>IP610</b>	STR-A6159 R=Y	21429400
<b>IP620</b>	TL431	15069010
<b>IP630</b>	TCET1103G R=Y △	10547560
<b>IR100</b>	PW118B-10L FLAT R=Y	56262220

<b>IR103</b>	PST421A290N FLAT R=Y	21336420
<b>IR104</b>	DS90C385A FLAT	21398580
<b>IR105</b>	M24C64-WMN6T FLAT R=Y	15464120
<b>IR200</b>	74LVX574 FLAT R=Y	56002110
<b>IS200</b>	DDX-2052ALL FLAT R=Y	56052140
<b>IT500</b>	FSAV330QSC FLAT R=Y	21341360
<b>IV200</b>	MST9883C-140-LF FLAT R=Y	56275170
<b>IV300</b>	M24C02WMN6 FLAT	35096320
<b>IV301</b>	ESD PACVGA105QR R=Y	56329710
<b>IV302</b>	RS232 FLAT R=Y	21380590
<b>IV700</b>	SAA7117A FLAT R=Y	21427270
<b>IX802</b>	TEA6415CD FLAT	10315540
<b>IX803,805</b>	MM1511XNRE FLAT R=Y	55489750
<b>IX804,806,900,910</b>	MM1507XNRE FLAT	21149670



<b>IR102</b>	STT4PF20V SMD R=Y	21393360
<b>TA001,002,TH001,100,TK001</b>	BC846B SMD R=Y	16006260
<b>TA003</b>	RN2402 SMD	20205800
<b>TK002,TS203,205</b>	RN1402 (TE85L/R) SMD	10966200
<b>TP601</b>	BC848B SMD	16006290
<b>TR100,101</b>	RN1402 SMD	16007060
<b>TS202</b>	BC856B SMD R=Y	16006310



<b>DA301,DP601,DS203,207,216,218</b>	LL4148 SMD	16012450
<b>DE101</b>	NSAD500H R=Y	16100970
<b>DH100</b>	BA592 SMD	20002190
<b>DH101</b>	BZX55B33	80442730
<b>DP101,105,106,112,113,114</b>	FM220-M SMD R=Y	56008310

<b>DP102,103,107</b>	FM201 SMD R=Y	56008320
<b>DP108</b>	SR560	20849440
<b>DP611,612,613,614</b>	FS1MI 1KV 1A R=Y	56033250
<b>DP615</b>	FUF4005/MUR160 R=Y	16009580
<b>DP616</b>	SB560	20956430
<b>DP617</b>	RGP15G	10272800
<b>DV200,201,202,DX100,101,102,103,104,105,201,202,206</b>	MMSZ6V8T1 SMD R=Y	15580490
<b>DV280,281,282</b>	ZMM6,8 SMD R=Y	16030380
<b>DV300</b>	BAV70 SMD	25469490
<b>DV308,309,310,311</b>	BAV99 SMD	16012300
<b>DX106,200</b>	MMSZ15T1 SMD R=Y	15580570
<b>GE001</b>	1259-7VRVGW LED R=Y	21393660



<b>QA001</b>	18M432HZ R=Y	10334670
<b>QR100</b>	14M31818HZ SMD R=Y	25730230
<b>QV700</b>	32M11KHZ SMD R=Y	56025920



<b>CP602</b>	220N0F 20% 275V △	21287960
<b>CP610</b>	330P0F 20% 1K0V	14035270
<b>CP611</b>	22U0F 20% 400V R=Y	56059780
<b>CP612,617</b>	1N0F 20% 1K0V	20388780



<b>LP600</b>	60MH △	21315930
<b>LP610</b>	TFSMT1W R=Y △	2142952A

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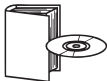
**VERSION 1 08 / 2005 35990020**  
**VERSION 2 02 / 2006**

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OTHER PARTS AUTRES PIECES SONSTIGE TEILE ALTRE PARTI OTRAS PIEZAS		
<b>BA600</b>	HEADPHONE SOCKET R=Y PRISE CASQUE R=Y KOPFHOERERBUCHSE R=Y PRESA JACK R=Y TOMA JACK R=Y	56021170
<b>BA700</b>	CINCH SOCKET 2 ASSY R=Y ENSEMBLE 2 PRISES CINCH R=Y CHINCH 2 BUCHSEN-EINHEIT R=Y ASSIEME 2 PRESA CINCH R=Y CONJUNTO 2 TOMA CINCH R=Y	56009180
<b>BK102</b>	CABLE 5X 94MM BLUE A8 CABLE NAPPE 5X 94MM BLUE A8 FOLIENKABEL 5X 94MM BLUE A8 CAVO DI COLLEGAMENTO 5X 94MM BLUE A8 CABLE 5X 94MM BLUE A8	56084950
<b>BQ001</b>	JACK SOCKET R=Y PRISE JACK R=Y JACK-BUCHSE R=Y PRESA JACK R=Y TOMA JACK R=Y	△ 21428320
<b>BV280</b>	CINCH SOCKET 3 ASSY R=Y ENSEMBLE 3 PRISES CINCH R=Y CHINCH 3 BUCHSEN-EINHEIT R=Y ASSIEME 3 PRESA CINCH R=Y CONJUNTO 3 TOMA CINCH R=Y	56009170
<b>BV300</b>	CINCH SOCKET 3 ASSY R=Y ENSEMBLE 3 PRISES CINCH R=Y CHINCH 3 BUCHSEN-EINHEIT R=Y ASSIEME 3 PRESA CINCH R=Y CONJUNTO 3 TOMA CINCH R=Y	56009160
<b>BV300</b>	VGA SOCKET R=Y PRISE VGA R=Y VGA-BUCHSE R=Y PRESA VGA R=Y TOMA VGA R=Y	10494890
<b>BV400</b>	SVHS SOCKET R=Y PRISE SVHS R=Y S-VHS-BUCHSE R=Y PRESA SVHS R=Y TOMA SVHS R=Y	20392900
<b>BX101,200</b>	SCART SOCKET R=Y PRISE PERITEL R=Y EURO-AV-BUCHSE R=Y EUROPRESA NORMALIZZATA R=Y EUROCONNECTOR R=Y	△ 21428350
<b>FP610</b>	500MA 250V FUSE R=Y 500MA 250V FUSIBLE R=Y 500MA 250V SICHERUNG R=Y 500MA 250V FUSIBILE R=Y 500MA 250V FUSIBLE R=Y	△ 48029700
<b>FP610</b>	FUSE HOLDER R=Y SUPPORT FUSIBLE R=Y SICH-HALTER R=Y PORTA FUSIBILE R=Y PORTA FUSIBLE R=Y	10260630
<b>LJ054</b>	CABLE 15X 120MM B8 CABLE NAPPE 15X 120MM B8 FOLIENKABEL 15X 120MM B8 CAVO DI COLLEGAMENTO 15X 120MM B8 CABLE 15X 120MM B8	56056130
<b>LJ055</b>	CABLE 6X 600MM B8 CABLE NAPPE 6X 600MM B8 FOLIENKABEL 6X 600MM B8 CAVO DI COLLEGAMENTO 6X 600MM B8 CABLE 6X 600MM B8	△ 56002440

<b>LJ700</b>	CABLE WITH CONNECTOR 30 PINS 400MM CABLE AVEC CONNECTEUR 30 PINS 400MM KABEL MIT VERBINDER 30 PINS 400MM CAVO CON CONNETTORE 30 PINS 400MM CABLE CON CONECTOR 30 PINS 400MM	△ 5600228A
<b>LJ705</b>	CABLE QDI WITH CONNECTOR INVERTER CABLE QDI INVERTER AVEC CONNECTEUR KABEL QDI MIT VERBINDER INVERTER CAVO QDI INVERTER CON CONNETTORE CABLE QDI INVERTER CON CONECTOR	56119660
<b>NH001</b>	FE6232A TUNER FE6232A TETE FE6232A TUNER FE6232A TUNER FE6232A SINTONIZADOR	21452380
<b>SK001,002, 003,004,005, 006</b>	MICROSWITCH MICRO CONTACTEUR MIKROSCHALTER MICROINTERRUPTORE MICROCONTACTOR	30011100
<b>SP600</b>	RELAY 6.0V 68.00HM 10.0A 250.0V R=Y RELAIS 6.0V 68.00HM 10.0A 250.0V R=Y RELAIS 6.0V 68.00HM 10.0A 250.0V R=Y RELE 6.0V 68.00HM 10.0A 250.0V R=Y RELE 6.0V 68.00HM 10.0A 250.0V R=Y	△ 10517140
EQUIPMENT/PRESENTATION EQUIPEMENT/PRESENTATION AUSSTATTUNG/GEHAEUSE PARTI VARIE EQUIPO/PRESENTACION		
KIT ADAPT FOR WALLMOUNT VESA ADA587 36036600 KIT ADAPTATEUR ACCROCHE MUR VESA ADA587 KIT ADAPTER WANDHALTERUNG VESA ADA587 KIT ADATTATORE SUPPORT MUR VESA ADA587 KIT ADAPTADOR SOPORTE MURAL VESA ADA587		
	CONNECTION FLAP VOLET PRISES CONNECTION-KLAPPE SPORTELLLO PRESA PUERTA CONECTOR	35930390
	FRONT CABINET ASSY BK25RC FACADE EQUIPEE BK25RC FRONTPLATTE KPL BK25RC MOBILE FRONTALE CPL BK25RC MUEBLE FRONTAL CPL BK25RC	35930210
	LID OF FOOT SI01TH COUVERCLE DU PIED SI01TH KAPPE DES FUSSES SI01TH COPERCIO DEL PIEDE SI01TH TAPA DEL PIE SI01TH	35930280
	REAR PANEL AL01TH DOS AL01TH RUECKWAND AL01TH PANNELLO POSTERIORE AL01TH TAPA POSTERIOR AL01TH	△ 35930330

	DISPLAY LCD 26P QDI QD26HL0207 ECRAN LCD 26P QDI QD26HL0207 LCD-ANZEIGE 26P QDI QD26HL0207 VISUALIZZATORE LCD 26P QDI QD26HL0207 VISUALIZADOR LCD 26P QDI QD26HL0207	5627462A
	CONTROL PANEL SI01TH TABLEAU DE COMMANDES SI01TH BEDIENTEIL SI01TH QUADRO DI COMANDO SI01TH TABLERO DE MANDO SI01TH	25826230
	SUPPORT SOCKET AL01TH SUPPORT PRISES AL01TH HOLDER BUCHSE AL01TH SUPPORTO PRESA AL01TH SOPORTE TOMA AL01TH	35930470
	DISPLAY LCD 26P QDI QD26HL02-02 ECRAN LCD 26P QDI QD26HL02-02 LCD-ANZEIGE 26P QDI QD26HL02-02 VISUALIZZATORE LCD 26P QDI QD26HL02-02 VISUALIZADOR LCD 26P QDI QD26HL02-02	56274620
	8R OHM 5W LOUDSPEAKER 52X120MM 8R OHM 5W HAUT PARLEUR 52X120MM 8R OHM 5W LAUTSPRECHER 52X120MM 8R OHM 5W ALTOPARLANTE 52X120MM 8R OHM 5W ALTAVOZ 52X120MM	25820040
	BUTTON STRIP SI01TH BARRETTE DE TOUCHES SI01TH TASTENLEISTE SI01TH ASSIEME TASTI SI01TH CONJUNTO DE TECLAS SI01TH	△ 35930500
	MAINS SOCKET ASSY PRISE SECTEUR EQ NETZANSCHLUSSBUCHSE KPL PRESA RETE CPL TOMA RED CPL	△ 5602561A
	RC311TA1G REMOTE CONTROL R=Y RC311TA1G TELECOMMANDE R=Y RC311TA1G FERNBEDIENUNG R=Y RC311TA1G TELECOMANDO R=Y RC311TA1G TELEMANDO R=Y	21282880
	POWER SUPPLY LEAD CORDON D'ALIMENTATION NETZKABEL CAVO DI ALIMENTAZIONE CABLE DE ALIMENTACION	△ 2137191B
	POWER SUPPLY LEAD UK CORDON D'ALIMENTATION UK NETZKABEL UK CAVO DI ALIMENTAZIONE UK CABLE DE ALIMENTACION UK	△ 25740070
	FOLDING BOX EMBALLAGE CARTON KARTON IMBALLAGGIO CARTONE EMBALAJE CARTON	25826310
	FITTING DOWNER LEFT CALE INFERIEURE GAUCHE POLSTER UNTEN LINKS Distanziatore inferiore sinistra CALZO INFERIOR IZQUIERDA	25826340
	FITTING UPPER RIGHT CALE SUPERIEURE DROITE POLSTER OBEN RECHTS Distanziatore superiore destra CALZO SUPERIOR DERECHA	25826330
	FITTING DOWNER RIGHT CALE INFERIEURE DROITE POLSTER UNTEN RECHTS Distanziatore inferiore destra CALZO INFERIOR DERECHA	25826350
	FITTING UPPER LEFT CALE SUPERIEURE GAUCHE POLSTER OBEN LINKS Distanziatore superiore sinistra CALZO SUPERIOR IZQUIERDA	25826320



26LB040S5 PARTS LIST35990020

26LB040S5 LISTE DE PIECES DETACHEES

26LB040S5 ERSATZTEILLISTE

26LB040S5 LISTA PARTI DI RICAMBIO

26LB040S5 LISTA DE PIEZAS DE REPUESTO

26LB040S5/32LB040S5 UM TH50107030

26LB040S5/32LB040S5 NU TH

26LB040S5/32LB040S5 BA TH

26LB040S5/32LB040S5 IU TH

26LB040S5/32LB040S5 IU TH

26LB040S5/U

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## 1 - ACCESING SERVICE MODE

### EFC031E

1.1 TV set ON.

1.2 While keeping pressed the "VOL-" key on the TV keyboard press "EXIT" on the RC until TV set switch on and enter service mode. (Main menu).

**IFC130 - EFC031E** (according software version)

1.1 Switch the TV set into the Standby Mode.

1.2 While keeping pressed the "VOL-" key on the TV keyboard press "VOL-" on the RC until TV set switch on and enter service mode (Main menu).

#### EFC031E MAIN MENU

Factory setting	EFC031_X181-0
Return	...
(Video)	...
Sound	...
Miscellaneous	...
Field Service	...

#### IFC130 MAIN MENU

Service Menu	BL1.41
Return	...
(Video)	...
Sound	...
Misc	...
PW218 1st page	...
PW218 2nd page	...
SAA7117AE	...
PW2300	...

## 2 - TEMPORARY EXIT FROM SERVICE MODE

2.1- 2.1- To temporary leave the Service Mode from the Main menu, goto the point "Return".

To access the everyday menus, press the "Menu" button on the RCU.

Note :

- According to the type RCU it is possible to temporary leave the Service Mode by pressing Exit or Return key.

### RETURN TO THE MAIN MENU

#### EFC031E

2.2 - To return to the Main menu, While keeping pressed the "VOL-" key on the TV keyboard press "Exit" on the RC until TV set switch on and enter service mode.

#### IFC130

2.2 - To return to the Main menu, press on the magenta key ("text") on the RCU.

Note :

- A IFC130 menu not used during 3 minutes disappears. Press on the magenta key ("text") on the RCU to return to the Main menu.

## 3 - EXITING FROM SERVICE MODE

3.1- To exit the Service Mode switch off the mains supply to the TV.

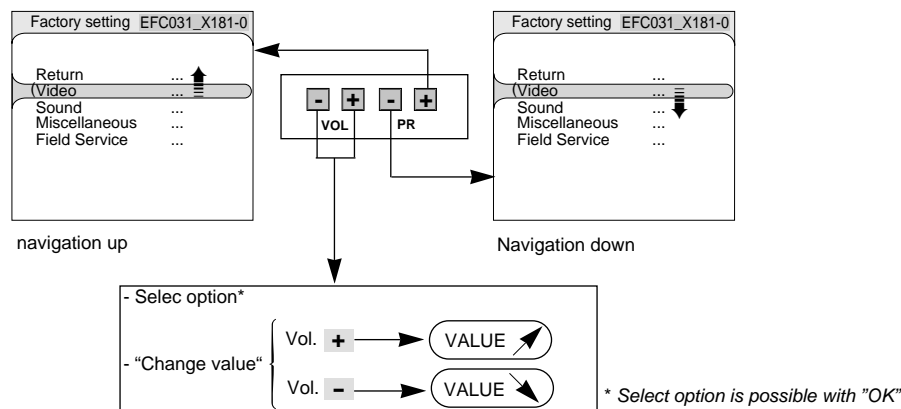
All change in service mode will be saved in EEPROM automatically.

## 4 - EXITING FROM A SUB-MENU

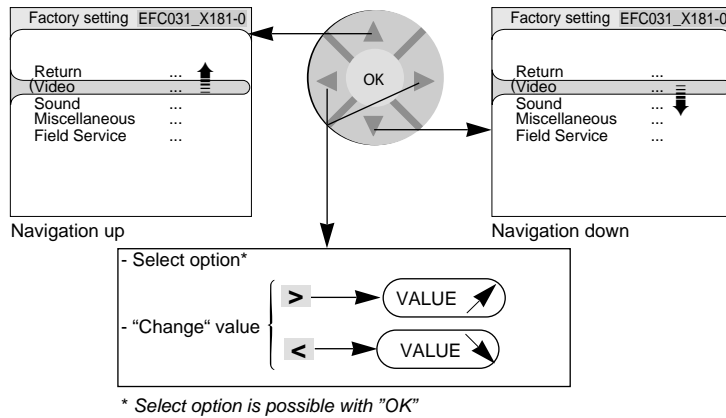
4.1- To exit from a Sub-Menu (see §8) and return to the Main menu press the "Exit key or the "Return" key on the RCU.

## 5 - NAVIGATION INSIDE THE SERVICE MODE

### TV CONTROL PANEL

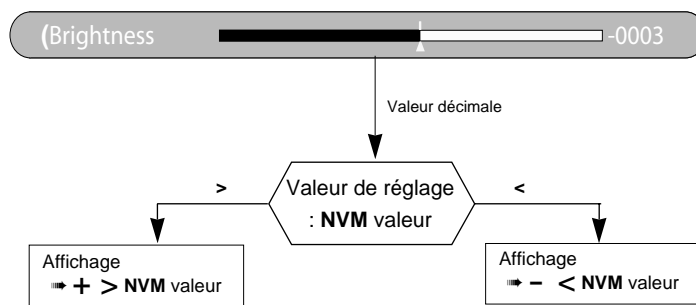


## REMOTE CONTROL



## 6 - DISPLAYING THE VALUE OF THE SETTING

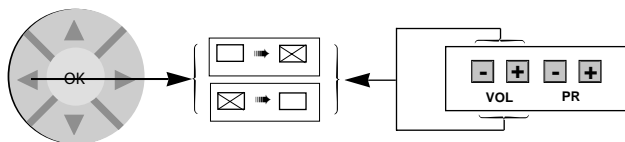
### VIDEO



## 7 - TOGGLE FUNCTION

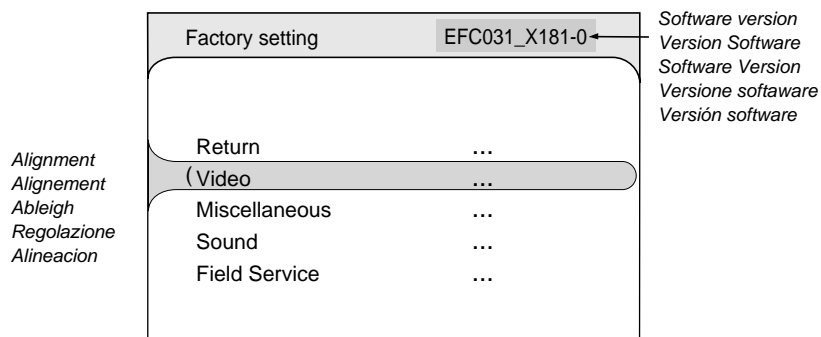
To enable a function check (tick) ☒ the box.

☒ : Implemented function      ☐ : No implemented function



## 8 - LITE MENU FOR FIELD SERVICE

### MAIN MENU





SUBMENU

Alignment

Alignement

Ableigh

Regolazione

Alineacion

Factory setting

EFC031\_X181-0

Return

( Video

Miscellaneous

Sound

Field Service

Software version

Version Software

Software Version

Versione softaware

Versión software

## II - EFC031E CHASSIS - ALIGNMENT

### 1 VIDEO

#### 1.1 Conditions



- The TV set should be warmed up for 60 minutes.
- The following conditions are automatically set when entering the Video submenu.

Function	Alignment Value
Brightness	Standard
Colour	Standard
Contrast	Standard (70%)
Black Extand	Off...*
Tone	Neutral...
Sharpness	Not applicable*
Noise reduction	Off...*
Couleur NTSC	50%
Mode zoom	Standard

\* Set these conditions in the User menu



#### 1.2 Y, Pb, Pr Component Input

Video test pattern



Test Pattern	Philips test pattern		12 steps greyscale	
				
Format	4:3	16:9	4:3	16:9
1H	576i25Hz	1080i25Hz	576i25Hz	1080i25Hz
2H	576p50Hz	720p60Hz	576p50Hz	720p60Hz

#### 1.3 VGA Input

Standard Monitor Format (VESA)

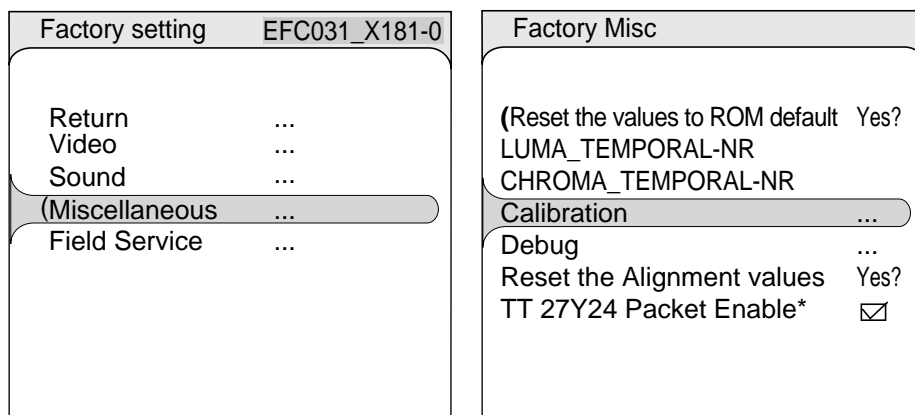
Test Pattern	Philips test pattern	12 steps greyscale
		
Format	640x480@60Hz, 800x600@85Hz, 1280x1024@75Hz	640x480@60Hz, 800x600@85Hz, 1280x1024@75Hz

Standard TV Display Format

Test Pattern	Philips test pattern		12 steps greyscale	
Picture				
Format	4:3	16:9	4:3	16:9
1H	576i25Hz	1080i25Hz	576i25Hz	1080i25Hz
2H	576p50Hz	720p60Hz	576p50Hz	720p60Hz

## 1.4 Video Calibration

### EFC031E



\* According software version

#### 1.4.1 MST9883 ADC Calibration

##### YPbPr Calibration for TV display format

- Connect Y, Pb, Pr signal to BV280 connector ("Video Components Enter") with the following standard.

Input signal parameters:

Signal	Value (Vp-p)
Y: Sync to Peak white	0.7
Pr: Sync to Peak white	0.7
Pb: Sync to Peak white	0.7

- Exit temporary from Service Mode and select the "Video Components Enter" (press the magenta key on the RCU "Text" to come back at the service mode )
- Video pattern to calibrate

Calibration Pattern	Color bar with no Gamma correction
Picture	
Format	480p60Hz, 1H, 4:3

- Select YPbPr and **"Calibration"** in the **"Miscellaneous"** Menu of Service Mode and press on the RCU OK key .
- The screen is flashing few minutes and stable after few seconds.


#### 1.4.2 RGB

##### RGB Calibration for Standard monitor format (VESA)

- Connect R, G, B Hsync and Vsync with following standard into VGA BV300 connector:

Signal	Value (Vp-p)
R (Red)	0.7
G (Green)	0.7
B (Blue)	0.7
Hsync.	2.4V
Vsync.	2.4V

- Exit temporary from Service Mode and select the VGA enter (press the magenta key on the RCU "Text" to come back at the service mode)
- Video pattern to calibrate

Calibration Pattern	16 step Gray scale with no gamma correction
Picture	
Format	800x600@85Hz

- Select "**Calibration**" in "**Miscellaneous**" Menu of the Service Mode and press on the RCU "OK" key. The screen is flashing few minutes and stable after few seconds.

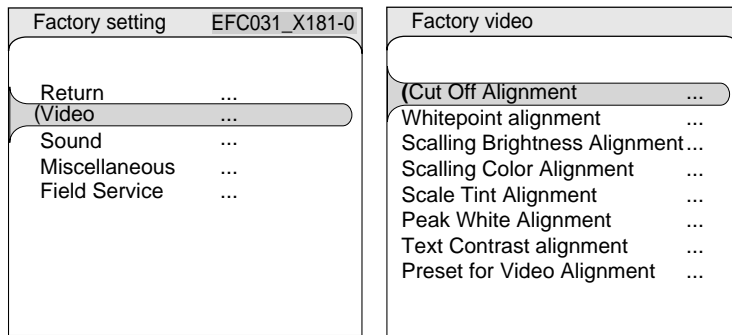
Note:

The others items of the "**Miscellaneous**" menu are described at § 4.

## 2 - VIDEO ALIGNMENT

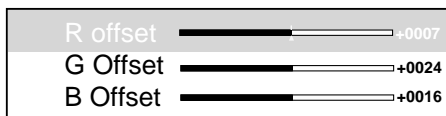
### 2.1 Cut Off

#### EFC031E



Cutt Off alignment has to be done for the following standards :

Note: After Cut Off alignment control white point alignment. Repeat the adjustments if necessary.



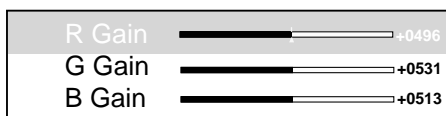
Input	Video Standard
SCART	PAL / SECAM/ RGB
YPbPr	SDTV (576i) HDTV (108i 25) HDTV (720p 60)
VGA	VESA (DMT 1060) SD Video (576i) HD Video (1080i 25)
HDMI	HDTV (720p 60)
FAV (CVBS)	SD Video (576i)

- Insert a grey test pattern giving 15 Nits luminance level
- Measure the color co-ordinates near the screen center.
- Fix B Offset to the centre of the alignment range.
- Adjust R Offset - G Offset:

Colour Co-ordinates	Value
x	0.282
y	0.293

### 2.2 Whitepoint

- Whitepoint alignment has to be done for the same standards of the Cutoff alignment :



- Insert a grey test pattern with 50 IRE in one of the above mentioned standards.
- Measure the color co-ordinates near the screen center.
- Fix B Gain to the centre of the alignment range.
- Adjust R Gain - G gain to the following color co-ordinates:

Colour Co-ordinates	Value
x	0.282
y	0.298

### 2.3 Scaling Brightness Alignment



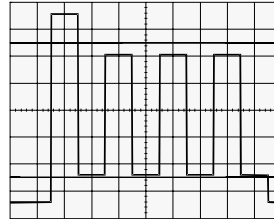
- The Scalling Brightness is a factory alignment.
- EFC031E: Brightness = +0003

## 2.4 Scaling Colour

Colour  +0512

- Scaling Color Alignment has to be done for the following standards :
- 75% Color bar test pattern.
- Measure the Blue output and adjust Colour to equal levels as shown bellow:

Input	Video Standard
SCART	PAL / SECAM/ RGB
YPbPr	SDTV (576i) HDTV (108i 25) HDTV (720p 60)
VGA	VESA (DMT 1060) SD Video (576i) HD Video (1080i 25)
HDMI	HDTV (720p 60)
FAV (CVBS)	SD Video (576i)



## 2.5 Scale Tint

NTSC Tint  +0000

- No alignment for EU models.

## 2.6 Peak White Alignment

Contrast  +0534

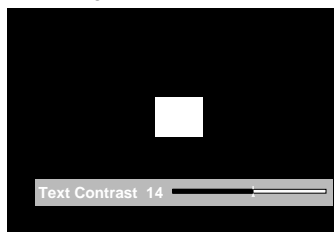
- Peak White test pattern (100%).Colourimeter.
- Peak White alignment has to be done for the following standards :

Input	Video Standard
SCART	PAL / SECAM/ RGB
YPbPr	SDTV (576i) HDTV (108i 25) HDTV (720p 60)
VGA	VESA (DMT 1060) SD Video (576i) HD Video (1080i 25)
HDMI	HDTV (720p 60)
FAV (CVBS)	SD Video (576i)

- Adjust Contrast to the level : 450 Nits +20% -15%.

## 2.7 Text Contrast.

- Selecting this item inserts a white centered pad.



- Measure the optical luminance output level (Y Nits) of the white pad.
- Adjust Text Contrast to the 60% of the PW level.

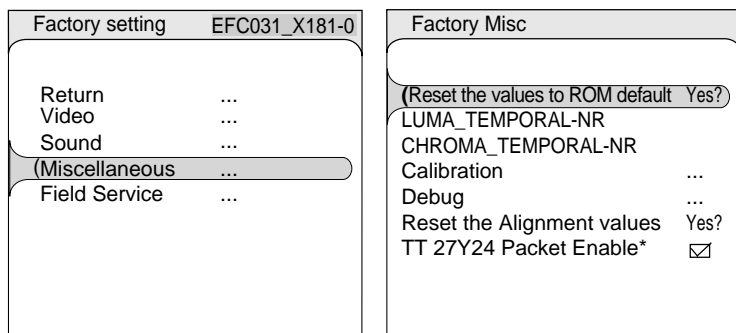
Contrast  +0534

### 3 - SOUND

- The items of the SOUND menu are not used

### 4 - MISCELLANEOUS

#### - EFC031E



\* According software version

#### 4.1 Reset the values to ROM default

- Reset all the EEPROM data to FF.

Only required if the EEPROM data are corrupted.

After "reset the values to ROM default" the alignment, calibration and channel installation is necessary.

#### 4.2 LUMA\_TEMPORAL\_NR

- Temporal noise reduction setting for luminance.

Factory adjusted. It is not necessary to do adjustment on this item.

#### 4.3 CHROMA\_TEMPORAL\_NR

- Temporal noise reduction setting for chrominance.

Factory adjusted. It is not necessary to do adjustment on this item.

#### 4.4 Calibration

See § 1.4

#### 4.5 Debug

- Bus quiet mode for main I2C Bus. Used only in development purpose.

#### 4.6 Reset the Alignment values

- Reset all alignment values to default value. Used only if the TV need new alignment.

In that case it is necessary to start alignments by Video Calibration (ADC YPbPr).

Note:

After loading of a new software select "Reset the alignment values" and check the TV alignment.

#### 4.7 TT 27Y24 Packet Enable

According to software version. Factory adjust.

Improve teletext performance for some special French channels

## 5 - FIELD SERVICE (Spécifique **EFC031E**)

Factory setting	EFC031_X181-0	Field Service
Return ...		(Test patterns Off)
Video ...		Power Usage: 000030:29 LCD Usage: 000030:05
Sound ...		Clear Event History ...
Miscellaneous ...		Code Count Timestamp
(Field Service ...)		00 000 000000:00
		00 000 000000:00
		00 000 000000:00
		00 000 000000:00
		00 000 000000:00

### 5.1 Test Patterns

To check the Scaler Board:

- Press "**Left**" or "**Right**" key on RCU activate the purity test patterns in the following order:  
Continuous, white, black, red, green, blue, off.

### 5.2 Power Usage - LCD Usage

Power Usage and LCD Usage are time counters.

- "Power Usage" indicates the Power supply number of service hours and minutes.
  - "LCD Usage" indicates the TV number of service hours and minutes.
- The display is decimal.

### 5.3 Clear Event History

To clear all error codes stored in the NVM.

Action : Select the line and Press the right key on RCU to confirm.

### 5.4 Error Codes

- 1 - The last five Error codes are stored and displayed with a time stamp from the runtime counter. Each error code in this list has an error counter that counts further occurrences of a particular error.
- 2 - If an error occurs that is already in the list the time stamp is updated and the error counter is incremented anymore.
- 3 - The errors are displayed with the most recent error on top on the list. The others follow with descending time stamps.

#### Displaying Error Codes with LED

- 1 - In addition to storing an error code it must also be displayed with TV's standby LED. Only the last error that occurred is displayed.
  - 2 - Decimal error codes from 11 to 18 are signaled.
  - 3 - The error code is displayed as two separate digits separate by a suitable pause, this is repeated according to a specific sequence.
- For example Error-code 13 will be displayed thus :
- 1 flash and a short pause
  - 3 flashes and a long pause
  - .....

List of Error Codes (Specific **EFC031E**):

<b>11</b> ERR_EEPROM	<b>15</b> ERR_TEA6415C
<b>12</b> ERR_SAA7117A	<b>16</b> ERR_MSP4411K
<b>13</b> ERR_MST9883C	<b>17</b> ERR_MAD4868
<b>14</b> ERR_MASTER TUNER	<b>18</b> ERR_TEA6422D



### III - IFC130 CHASSIS - ALIGNMENT

#### 1 VIDEO

##### 1.1 Conditions



- The TV set should be warmed up for 60 minutes.
- The following conditions are automatically set when entering the Video submenu.

Fonction	Valeur
Lumière	Standard
Couleur	Standard
Contraste	Standard (70%)
Noir renforcé	Inactif*
Tonalité	Neutre
Contour	50%
Réducteur de bruit	Inactif*
Couleur NTSC	50%
Mode zoom	Standard

\* Set these conditions in the User menu



##### 1.2 Y, Pb, Pr Component Input

Video test pattern



Test Pattern	Philips test pattern		12 steps greyscale	
				
Format	4:3	16:9	4:3	16:9
1H	576i25Hz	1080i25Hz	576i25Hz	1080i25Hz
2H	576p50Hz	720p60Hz	576p50Hz	720p60Hz

##### 1.3 VGA I

Format Moniteur standard (VESA)

Test Pattern	Philips test pattern	12 steps greyscale
		
Format	640x480@60Hz, 800x600@85Hz, 1280x1024@75Hz	640x480@60Hz, 800x600@85Hz, 1280x1024@75Hz

Format affichage TV standard

Test Pattern	Philips test pattern		12 steps greyscale	
Picture				
Format	4:3	16:9	4:3	16:9
1H	576i25Hz	1080i25Hz	576i25Hz	1080i25Hz
2H	576p50Hz	720p60Hz	576p50Hz	720p60Hz

## 1.4 VIDEO CALIBRATION

### 1.4.1 YPbPr Calibration for TV display format

#### IFC130

Service Menu	BL1.41
Return	
(Video	...
Sound	...
Misc	...
PW218 1st page	...
PW218 2nd page	...
SAA7117AE	...
PW2300	...


  

Return	
Panel Selection	009
Analog RGB Calibration	
YCbCr Calibration	
Factory Reset	
BW Expand	000
CUEC / ICP	001
FRMEC	001
Flestone Correction	000
Film Mode	000
3:2 Film Sensitivity	000
2:2 Film sensitivity	004
Pixel Boost	000
DCS	000
DCTI	000
Peaking	001
Spatial noise Filter	000
LumaTemp.Noise Filter	064
LAI	000

- Connect Y, Pb, Pr signal to BV600 ("Video Components Enter") with the following standard.

Signal	Valeur (Vp-p)
Y: Sync to teak white	0.7
Pr:Sync to teak white	0.7
Pb:Sync to teak white	0.7

- Exit temporary from Service Mode and select the "Video Components Enter" (press the magenta key on the RCU "Text" to come back at the service mode )
- Video pattern to calibrate

Calibration Pattern	Color bar with no Gamma correction
Picture	
Format	720p60Hz, 2H, 16:9

- Select "**YPbPr Calibration**" in the "**PW218 1st page**" Menu of the Service Mode and press the OK key on the RCU.
- The screen is flashing few minutes and stable after few seconds.

## 1.4 2 RGB

### Analog RGB Calibration


Service Menu	BL1.41
Return	
(Video ...	
Sound ...	
Misc ...	
<b>PW218 1st page ...</b>	
PW218 2nd page ...	
SAA7117AE ...	
PW2300 ...	

Return	
Panel Selection	009
<b>Analog RGB Calibration</b>	
YCbCr Calibration	
Factory Reset	
BW Expand	000
CUEC / ICP	001
FRMEC	001
Flestone Correction	000
Film Mode	000
3:2 Film Sensitivity	000
2:2 Film sensitivity	004
Pixel Boost	000
DCS	000
DCTI	000
Peaking	001
Spatial noise Filter	000
LumaTemp.Noise Filter	064
LAI	000

- Connect R, G, B Hsync and Vsync with following standard into VGA BV300 connector:

Signal	Value (Vp-p)
R (Red)	0.7
G (Green)	0.7
B (Blue)	0.7
Hsync.	2.4V
Vsync.	2.4V

- Exit temporary from Service Mode and select the VGA enter (press the magenta key on the RCU "Text" to come back at the service mode)
- Video pattern to calibrate

Calibration Pattern	16 step Gray scale with no gamma correction
Picture	
Format	1024x768@60Hz

- Select "**Analog RGB Calibration**" in the "**PW218 1st page**" menu of the Service Mode and press the OK key on the RCU.

The screen is flashing few minutes and stable after few seconds.

Note:

*The others items of the "**PW218 1st page**" are described at § 5.*

## 2 - VIDEO ALIGNMENT

### 2.1 Cut Off

#### IFC130

Service Menu	BL1.41	Service Video
Return		(Cut Off Alignment ...
(Video ...		Whitepoint alignment ...
Sound ...		Scalling Brightness Alignment...
Misc ...		Scalling Color Alignment ...
PW218 1st page ...		Scale Tint Alignment ...
PW218 2nd page ...		Peak White Alignment ...
SAA7117AE ...		Text Contrast alignment ...
PW2300 ...		Preset for Video Alignment ...

Cutt Off alignment has to be done for the following standards :

Note: After Cut Off alignment control white point alignment. Repeat the adjustments if necessary.

R Cutoff	-0028
G Cutoff	-0004
B Cutoff	-0016

Input	Video Standard
SCART	PAL / SECAM/ RGB
YPbPr	SDTV (576i) HDTV (108i 25) HDTV (720p 60)
VGA	VESA (DMT 1060) SD Video (576i) HD Video (1080i 25)
HDMI	HDTV (720p 60)
FAV (CVBS)	SD Video (576i)

- Insert a grey test pattern giving 15 Nits luminance level
- Measure the color co-ordinates near the screen center.
- Fix B Cutoff to the centre of the alignment range.
- Ajuster R Cutoff - G Cutoff:

Colour Co-ordinates	Value
x	0.282
y	0.293

### 2.2 Whitepoint

-Whitepoint alignment has to be done for the same standards of the Cutoff alignment :

R Gain	+0528
G Gain	+0520
B Gain	+0544

- Insert a grey test pattern with 50 IRE in one of the above mentioned standards.
- Measure the color co-ordinates near the screen center.
- Fix B Gain to the centre of the alignment range.
- Adjust R Gain - G gain to the following color co-ordinates:

Coordonnées couleur	Valeur
x	0.282
y	0.298

### 2.3 Scaling Brightness Alignment

Brightness	-0003
------------	-------

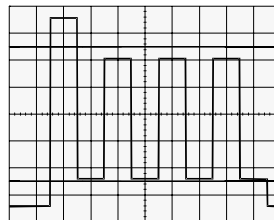
- Scaling Brightness Alignment est un réglage usine.
- IFC130 : Brightness = +0024

## 2.4 Scaling Colour

Colour  +0512

- Scaling Color Alignment has to be done for the following standards :
- 75% Color bar test pattern.
- Measure the Blue output and adjust Colour to equal levels as shown below:

Input	Video Standard
SCART	PAL / SECAM/ RGB
YPbPr	SDTV (576i) HDTV (108i 25) HDTV (720p 60)
VGA	VESA (DMT 1060) SD Video (576i) HD Video (1080i 25)
HDMI	HDTV (720p 60)
FAV (CVBS)	SD Video (576i)



## 2.5 Scale Tint

NTSC Tint  +0000

- No alignment for EU models.

## 2.6 Peak White Alignment

Contrast  +0534

- Peak White test pattern (100%).Colourimeter.
- Peak White alignment has to be done for the following standards :

Input	Video Standard
SCART	PAL / SECAM/ RGB
YPbPr	SDTV (576i) HDTV (108i 25) HDTV (720p 60)
VGA	VESA (DMT 1060) SD Video (576i) HD Video (1080i 25)
HDMI	HDTV (720p 60)
FAV (CVBS)	SD Video (576i)

- Adjust Contrast to the level : 450 Nits +20% -15%.

## 3 - SOUND

- The items of the SOUND menu are not used.

## 4 - MISCELLANEOUS

### - IFC130

Service Menu	BL1.41
Return	
(Video	...
Sound	...
Misc	...
PW218 1st page	...
PW218 2nd page	...
SAA7117AE	...
PW2300	...

Misc
Return
ADC Calibration
Test pattern

#### 4.1 ADC Calibration

- Not used in this Menu.

The ADC Calibration adjustment is done in the "PW218 1st page" (see § 1.4).

#### 4.2 Test pattern

To check the Scaler Board:

- Press "Left " or "Right " key on RCU activate the purity test patterns in the following order:  
Continuous, white, black, red, green, blue, off.

### 5 -PW218 1st page - PW218 2nd page - PW2300 (spécific **IFC130**)

NOTE :

The **Analog RGB Calibration** and **YCbCr Calibration** items are described at §1.4.



*Except other indication the following items , only deal with factory adjustments. Their meaning is given for information only.*

#### 5.1 - PW218 1st page

Service Menu	BL1.41	
Return		Return
(Video ...		Panel Selection 009
Sound ...		Analog RGB Calibration
Misc ...		YCbCr Calibration
PW218 1st page ...		Factory Reset
PW218 2nd page ...		BW Expand 000
SAA7117AE ...		CUEC / ICP 001
PW2300 ...		FRMEC 001
		Flestone Correction 000
		Film Mode 000
		3:2 Film Sensitivity 000
		2:2 Film sensitivity 004
		Pixel Boost 000
		DCS 000
		DCTI 000
		Peaking 001
		Spatial noise Filter 000
		LumaTemp.Noise Filter 064
		LAI 000

#### Panel Selection

- Different panel timing selection.

Factory adjust.

If this item is modified, set it to the previous value (009) then exit from the Service Mode and enter again.

### Factory Reset

- Factory reset of EEPROM data to default value.

Used only if the alignment have something wrong and need to align the TV again.

Installed channel will lost. ADC calibration no change.

Note:

After loading of a new software select " Factory reset" and check the TV alignment.

**BW Expand:** Black expand.

**CUEC/ICP:** Color Upsampling Error Correction / Inter-Chroma Processing.

**FRMEC:** Frame Rate Motion Error Correction.

**Fleshtone Correction:** Color correction.

**Film Mode:** Film Mode On / Off.

**3:2 Film Sensitivity - 2:2 Film Sensitivity:** Film Mode 3:2 (or 2:2) sensitivity setting.

**Pixel/Boost :** Pixel boost On / Off.

**DCS:** Dynamic Color Saturation.

**DCTI:** Digital Color Transient Improvement

**Peaking:** Peaking Gain setting.

**Spatial Noise Filter:** Spatial Noise Filtering setting.

**LumaTemp Noise Filter:** Luma temporal Noise filtering setting.

**LAI :** Low Angle Interpolation

### 5.2 - PW218 2nd page

Service Menu	BL1.41
Return	
(Video	...
Sound	...
Misc	...
PW218 1st page	...
PW218 2nd page	...
SAA7117AE	...
PW2300	...

Quit	
Blue Cal	000
BWE Enable	000
BWE Mode	000
DYNKDEINT Enable	001

**Blue Cal:** Blue Calibration.

**BWE Enable:** Black White Expansion On / Off.

**BWE Mode :** Black White Expansion Mode.

**DYNKDEINT Enable:** Dynamic Motion weighting factor for DEINTERlacer

### 5.3 SAA7117AE

Not used.

## 5.4 PW2300

Service Menu BL1.41			
Return	...	Selected Feta	000
(Video	...	3D Comb Filter	001
Sound	...	FTC Level	128
Misc	...	FTC Angle	035
PW218 1st page	...	DCTI Gain	007
PW218 2nd page	...	DCTI Frequency	000
SAA7117AE	...	DLTI Gain	000
PW2300	...	DLTI Frequency	000
		Luma Peaking Gain	000
		Luma Peaking L Threash	001
		Luma Peaking U Threash	000
		Luma Peaking L Trans	000
		Luma Peaking U Trans	000
		Luma Sharpness Gain	000
		Luma Sharpness Freq	003
		Black Stretch	128
		White Stretch	128

**Selected Feta:** Select the PW2300 IC if there are >1.

**3D Comb Filter:** Validation On / Off de 3D Comb Filter.

**FTC Level:** Fleshtone correction Level.

**FTC Angle:** Fleshtone correction Angle.

**DCTI Gain:** Digital Color Transient Improvement **Gain**.

**DCTI frequency:** Digital Color Transient Improvement **Frequency**.

**Luma Peaking Gain:** Luma Peaking gain.

**Luma Peaking L Threash:** Luma Peaking Lower Threshold.

**Luma Peaking U Threash:** Luma Peaking Upper Threshold.

**Luma Peaking L Trans:** Luma Peaking Lower Transient.

**Luma Peaking U Trans:** Luma Peaking Upper Transient.

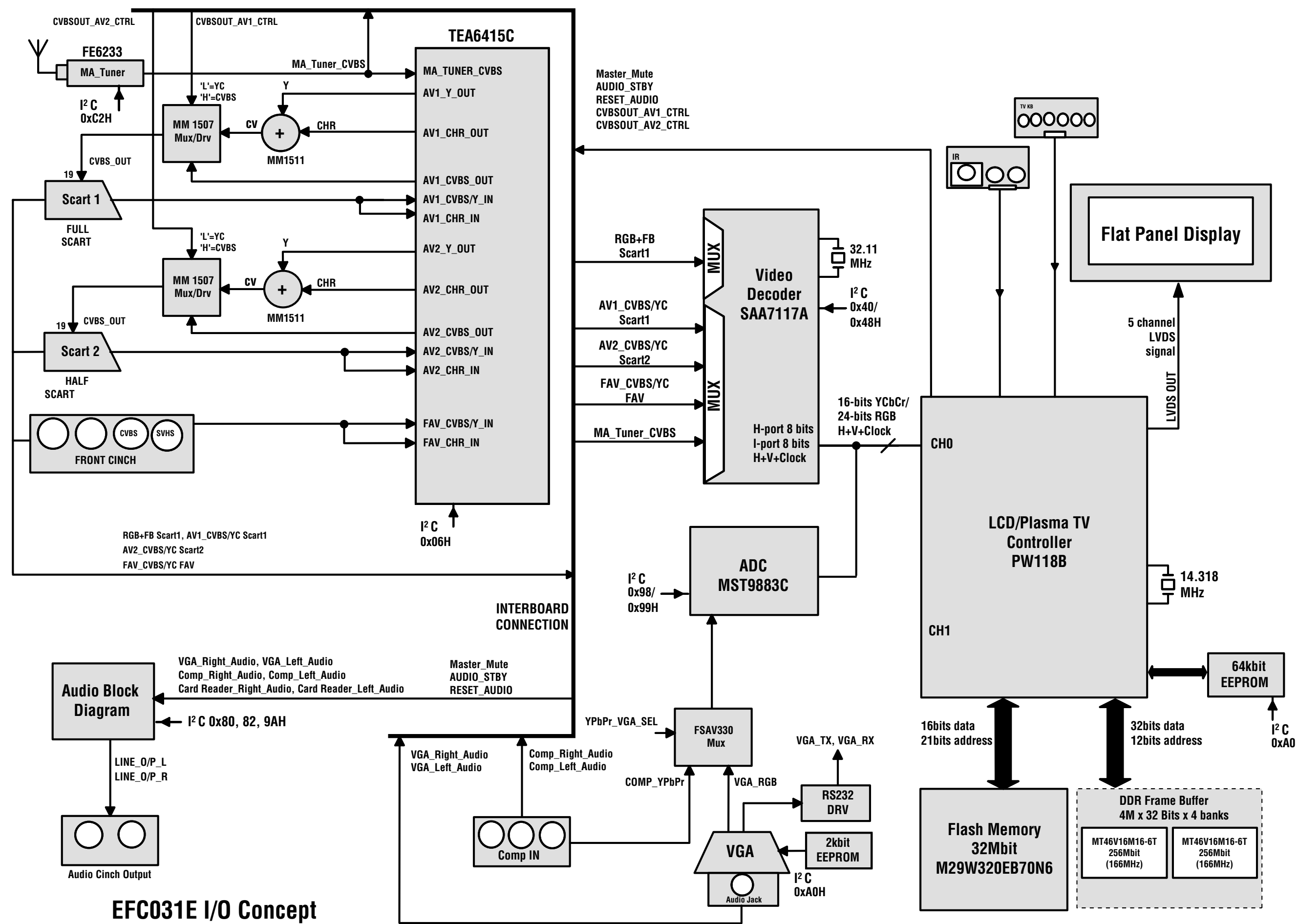
**Luma Sharpness gain:** Luma Sharpness Gain.

**Luma Sharpness freq:** Luma Sharpness Filter Cutoff frequency.

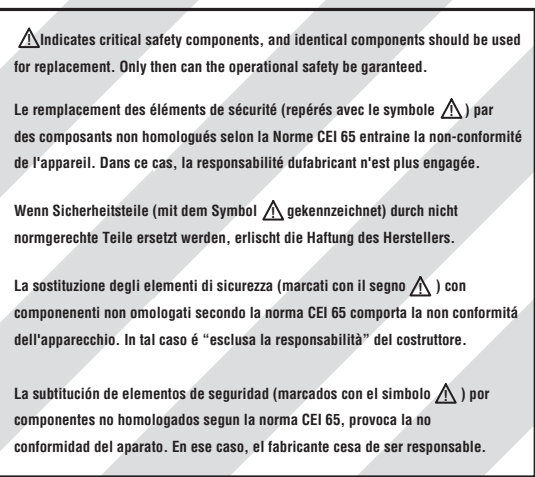
**Black Stretch:** Black Stretch On / Off.

**White Stretch:** White Stretch On / Off..

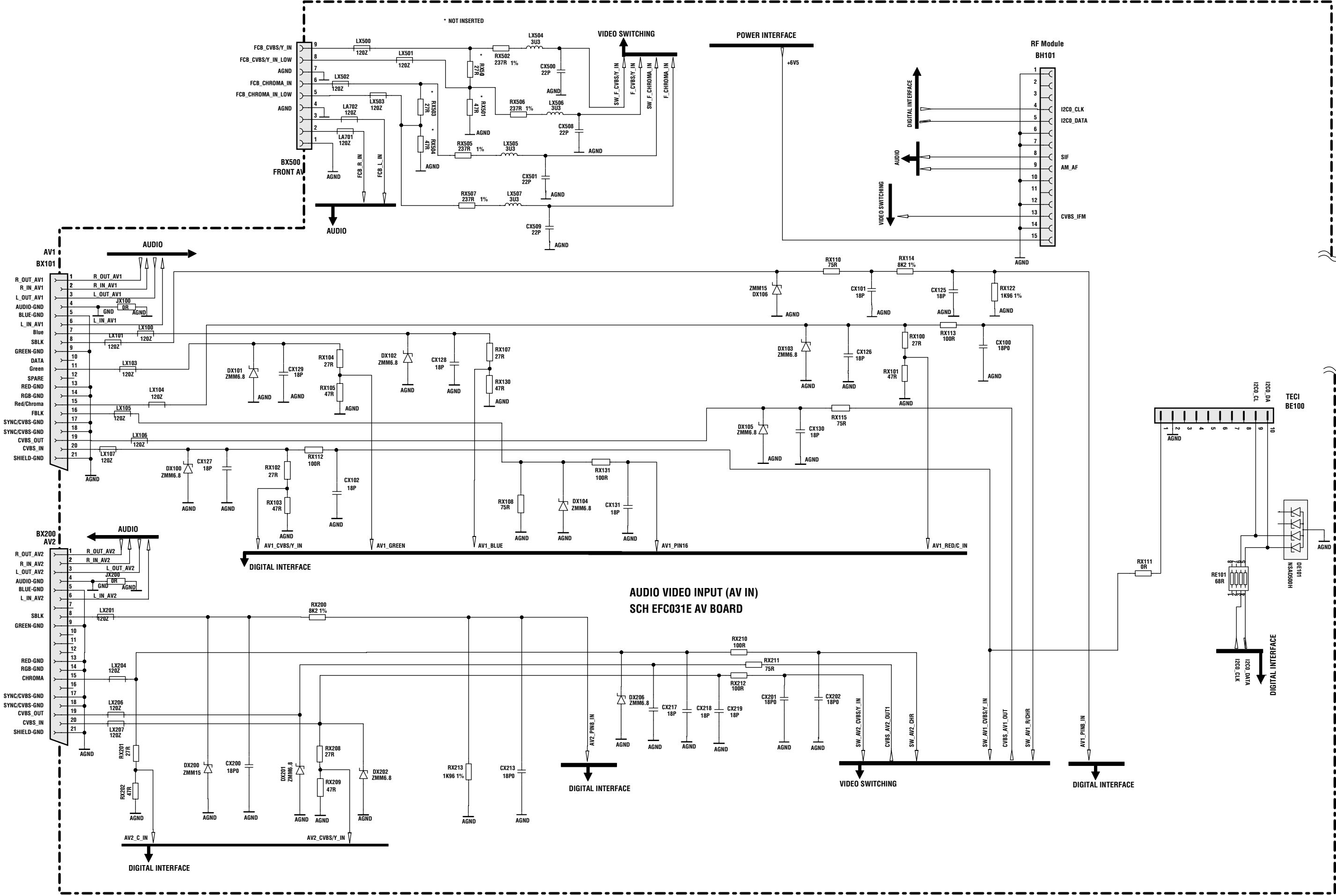


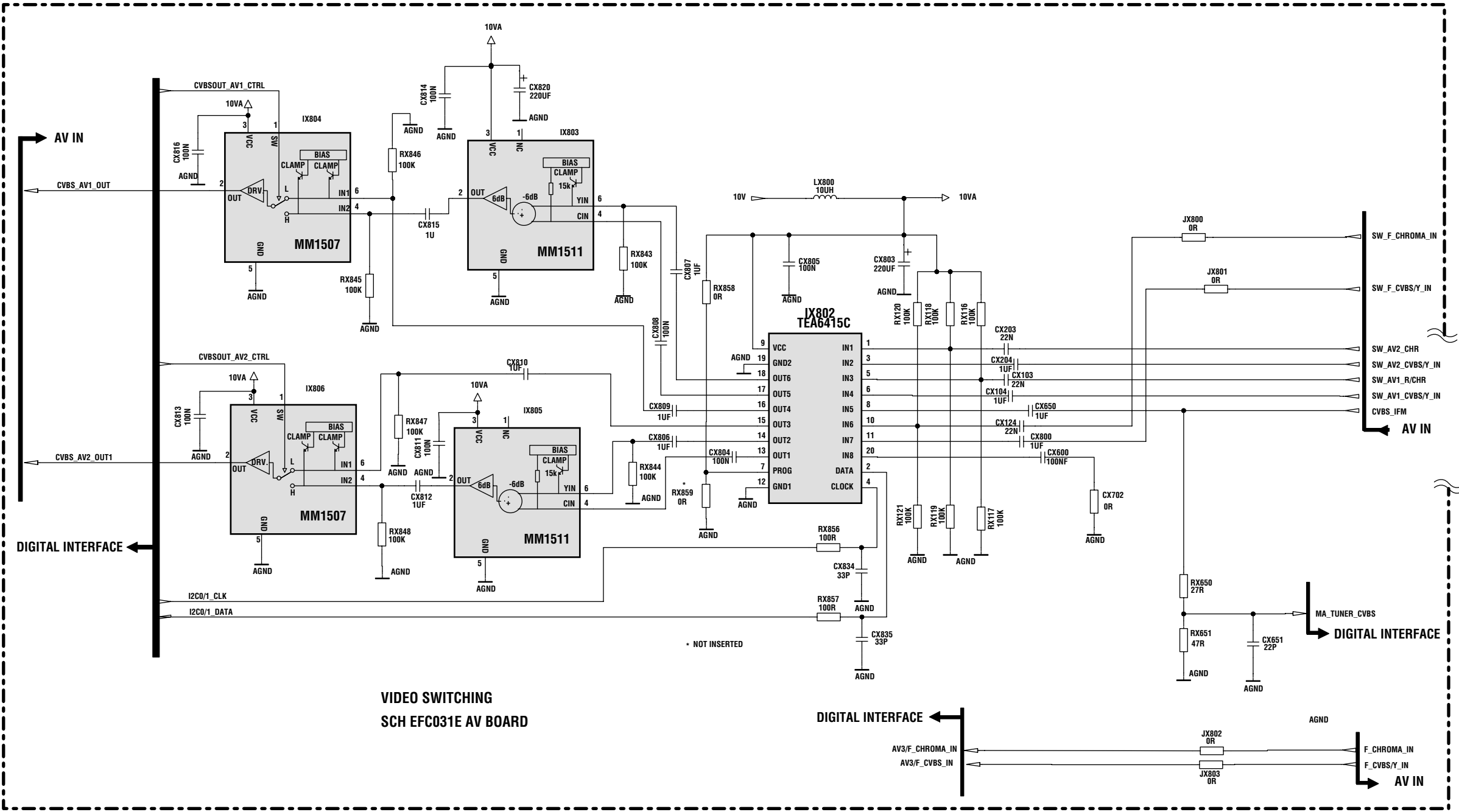


**SCHEMATIC DIAGRAM - SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA**

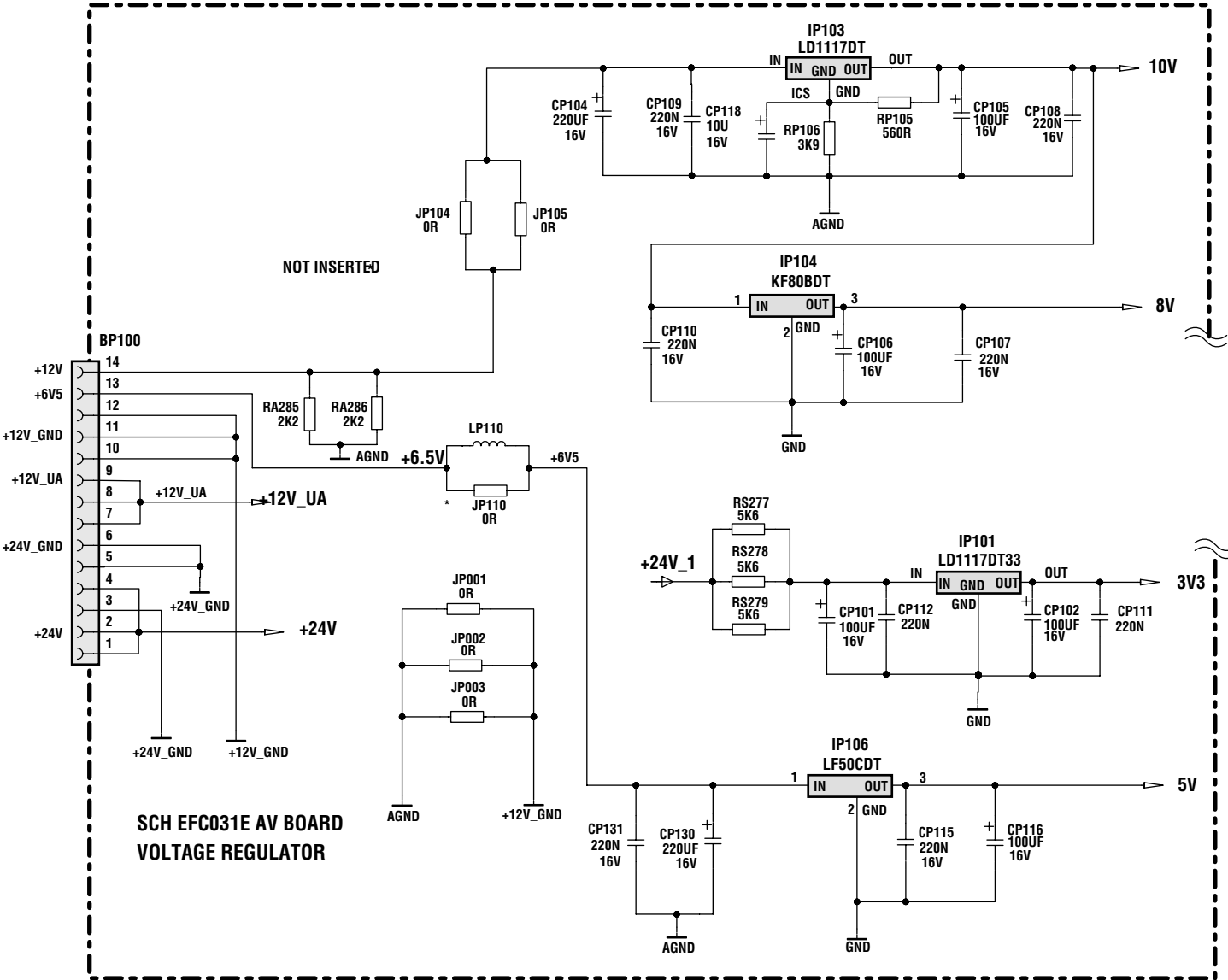
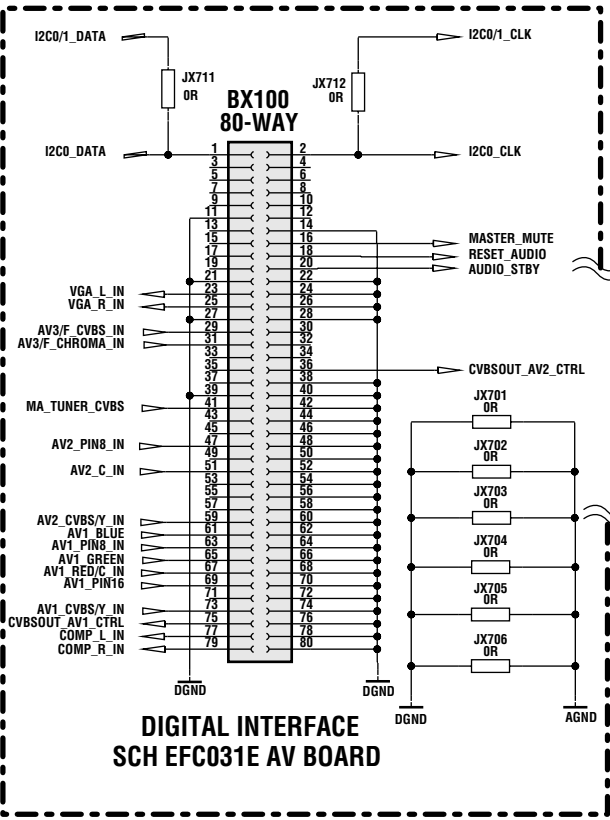


MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD HAUPTPLATINE - SCHEMA DELLA PIASTRA PRINCIPALE- ESQUEMA DE LA PLATINA PRINCIPAL

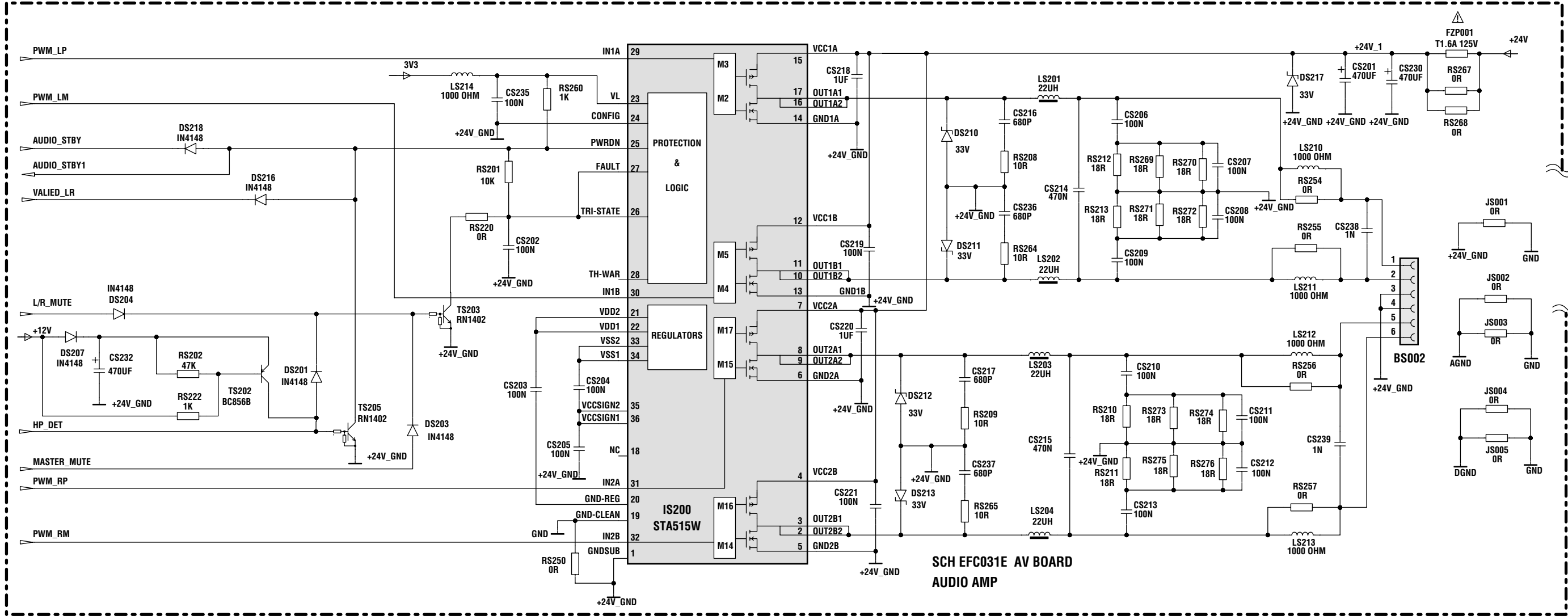




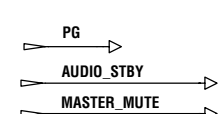
MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD HAUPTPLATINE - SCHEMA DELLA PIASTRA PRINCIPALE- ESQUEMA DE LA PLATINA PRINCIPAL



MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD HAUPTPLATINE - SCHEMA DELLA PIASTRA PRINCIPALE- ESQUEMA DE LA PLATINA PRINCIPAL



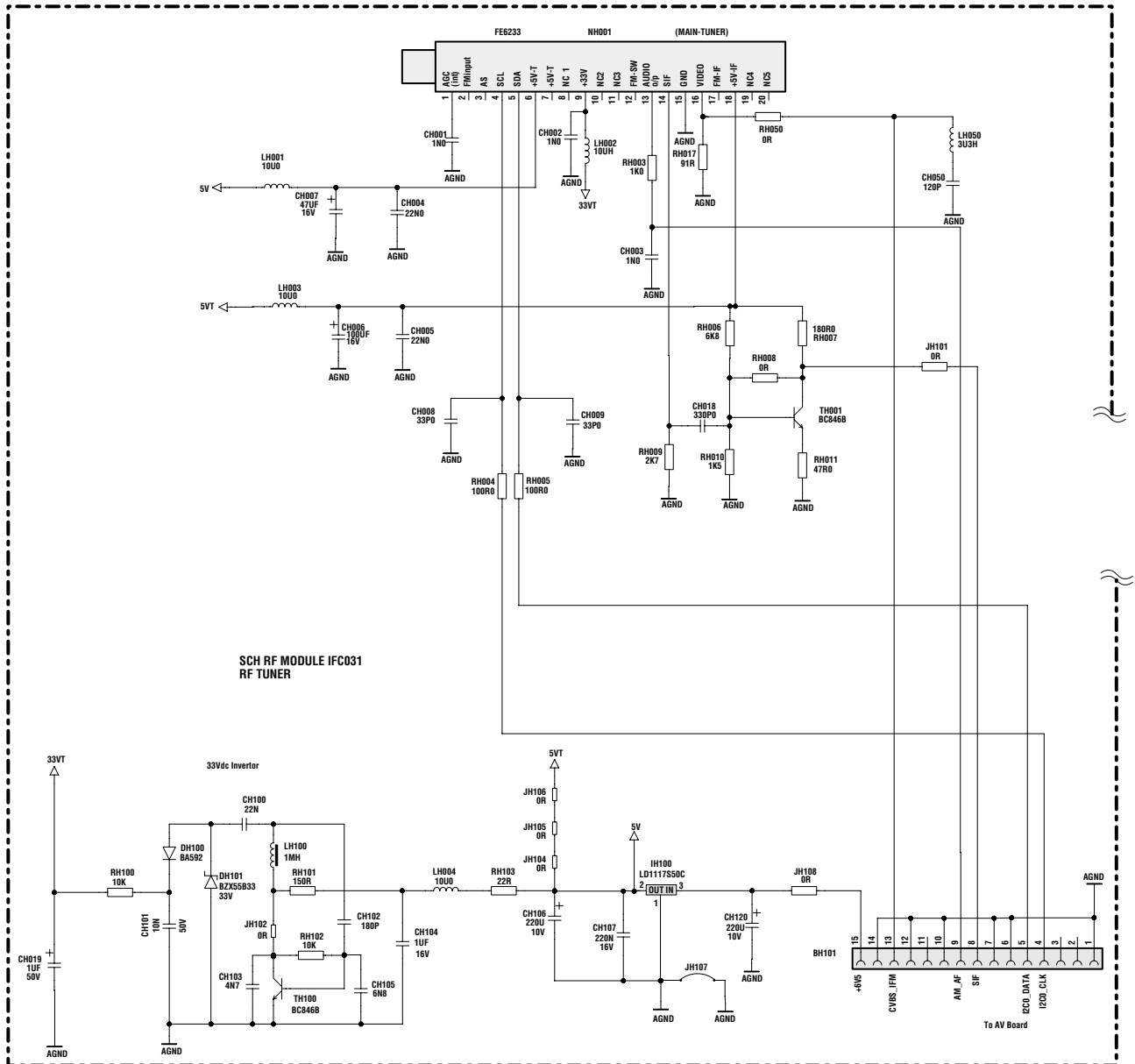
**EFC031-IFC130-IFC230**  
First issue 08 / 04



# MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE

## SCHALTBILD HAUPTPLATINE - SCHEMA DELLA PIASTRA PRINCIPALE

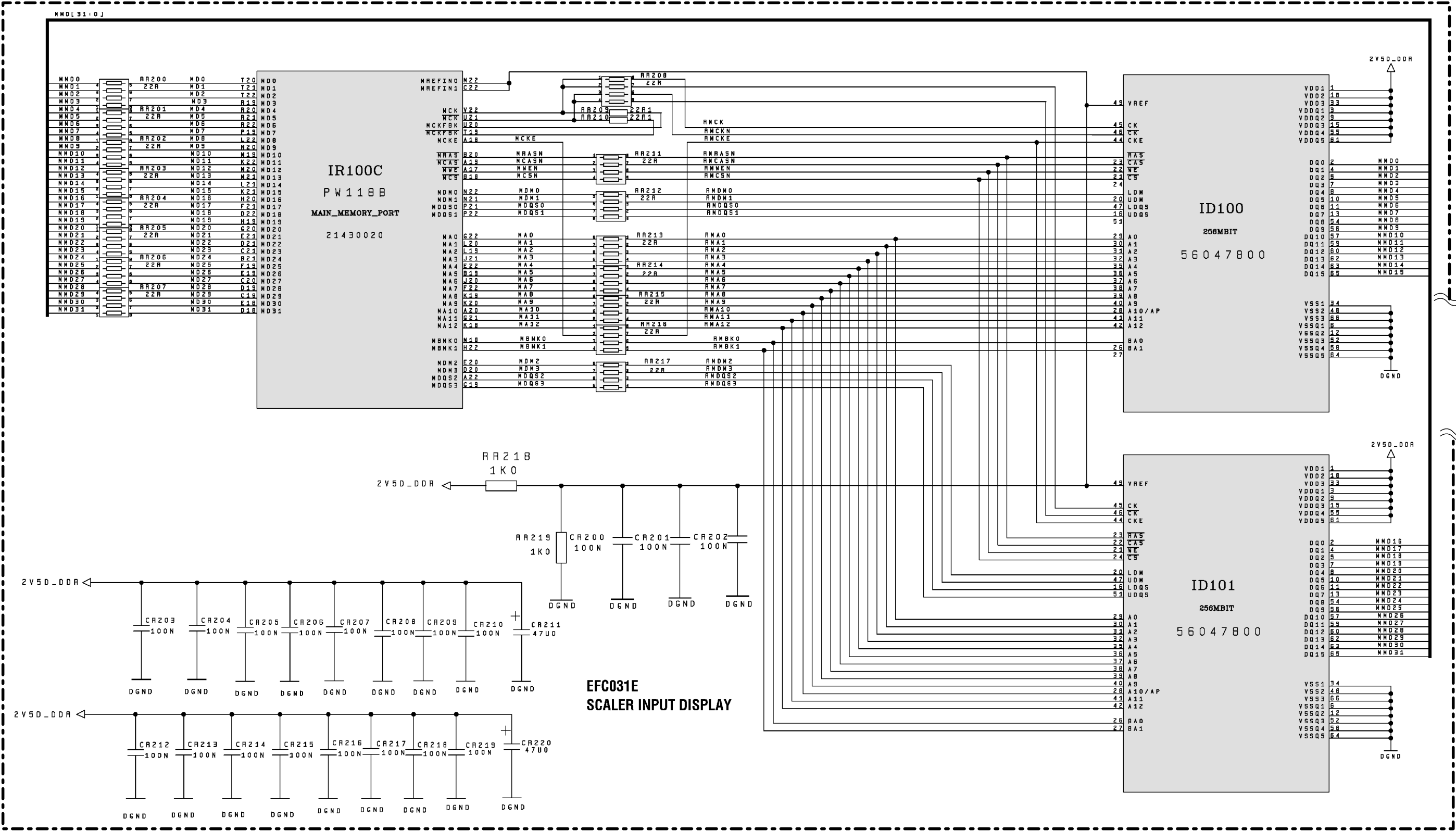
### ESQUEMA DE LA PLATINA PRINCIPAL



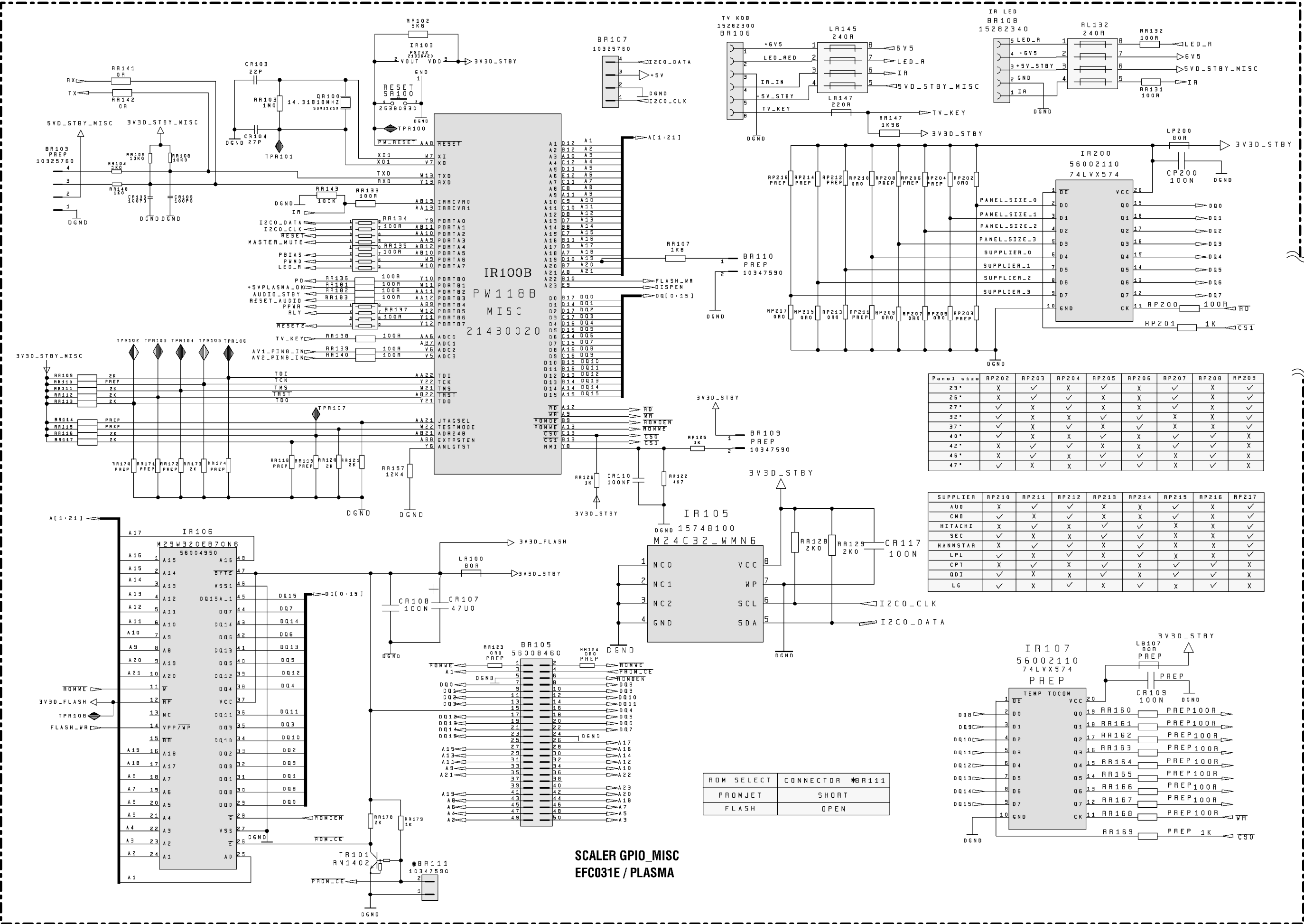


The schematic diagram illustrates the internal circuitry of the SCALER INPUT DISPLAY EFC031E. It features a central IC, IR104 (213985B0), which is a LVDS TRANSMITTER. The circuit includes various input ports (INORE[2:9], INOGE[2:9], INOBE[2:9]), a display panel (BR102, 21367230, 2CH), and a power supply section (PANELV\_5V/12V, VCC\_PANEL). The diagram shows the connection of numerous components, including resistors (RR100, RR101, RR102, RR103, RR104, RR105, RR106, RR107, RR108, RR109, RR110, RR111, RR112, RR113, RR114, RR115, RR116, RR117, RR118, RR119, RR120, RR121, RR122, RR123, RR124, RR125, RR126, RR127, RR128, RR129, RR130, RR131, RR132, RR133, RR134, RR135, RR136, RR137, RR138, RR139, RR140, RR141, RR142, RR143, RR144, RR145, RR146, RR147, RR148, RR149, RR150, RR151, RR152, RR153, RR154, RR155, RR156, RR157, RR158, RR159, RR160, RR161, RR162, RR163, RR164, RR165, RR166, RR167, RR168, RR169, RR170, RR171, RR172, RR173, RR174, RR175, RR176, RR177, RR178, RR179, RR180, RR181, RR182, RR183, RR184, RR185, RR186, RR187, RR188, RR189, RR190, RR191, RR192, RR193, RR194, RR195, RR196, RR197, RR198, RR199, RR200, RR201, RR202, RR203, RR204, RR205, RR206, RR207, RR208, RR209, RR210, RR211, RR212, RR213, RR214, RR215, RR216, RR217, RR218, RR219, RR220, RR221, RR222, RR223, RR224, RR225, RR226, RR227, RR228, RR229, RR230, 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SCALER SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE SCALER - SCHALTBILD SCALER - SCHEMA DELLA PIASTRA SCALER - ESQUEMA DE LA PLATINA SCALER



SCALER SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE SCALER - SCHALTBILD SCALER - SCHEMA DELLA PIASTRA SCALER - ESQUEMA DE LA PLATINA SCALER



SCALER SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE SCALER - SCHALTBILD SCALER - SCHEMA DELLA PIASTRA SCALER - ESQUEMA DE LA PLATINA SCALER

